### Spring 2021 - current
### Bachelor of Arts in Biology

#### Major Requirements
(32 Hrs of Biology courses)

<table>
<thead>
<tr>
<th>Hrs</th>
<th>Grade</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>BIOL 2000 Biology Today</td>
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<tr>
<td>4</td>
<td></td>
<td>BIOL 2040 Concepts in Biology I</td>
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<tr>
<td>4</td>
<td></td>
<td>BIOL 2050 Concepts in Biology II</td>
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<tr>
<td>4</td>
<td></td>
<td>BIOL 3500 Genetics</td>
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<tr>
<td>3</td>
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<td>BIOL 3510 Evolution</td>
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16 hours of BIOL electives including 10 hours at the 4000 level; at least 1 course in each of the following groups:

#### Group I: Biology of Organisms
- BIOL 3130 Microbiology
- BIOL 3130 Human Anatomy and Physiology I
- BIOL 3320 Human Anatomy and Physiology II
- BIOL 3430 General Botany
- BIOL 3740 Marine Biology
- BIOL 4050 General Parasitology
- BIOL 4060 Medical Entomology
- BIOL 4140 Plant Taxonomy and Evolution
- BIOL 4260 Principles of Biometry
- BIOL 4270 Invertebrate Diversity
- BIOL 4300 Wildlife Biology
- BIOL 4350 Entomology
- BIOL 4710 Ichthyology
- BIOL 4720 Herpetology
- BIOL 4760 Human Anatomy and Physiology I
- BIOL 4760 Maternal Biology
- BIOL 4760 Marine Biology
- BIOL 4770 Ornithology

#### Group II: Ecology, Evolution, and Behavior
- BIOL 3540 Population and Community Ecology
- BIOL 4090 Conservation Biology
- BIOL 4100 Conservation Biology in Practice
- BIOL 4160 Landscape Ecology
- BIOL 4200 Animal Behavior
- BIOL 4220 Restoration Ecology
- BIOL 4250 Limnology
- BIOL 4280 Neuroethology
- BIOL 4290 Evolutionary Ecology
- BIOL 4450 Environmental Microbiology
- BIOL 4490 Epidemiology
- BIOL 4620 Principles of Biometry
- BIOL 4710 Sensory Ecology
- ENVS 4120 Great Lakes Ecosystems

#### Group III: Cell, Molecular, & Regulatory Biology
- BIOL 4070 Cell Biology
- BIOL 4080 Molecular Biology
- BIOL 4110 Animal Physiology
- BIOL 4180 Neurophysiology
- BIOL 4210 Molecular Biotechnology
- BIOL 4310 Developmental Biology
- BIOL 4370 Light Microscopes and 3D Imaging
- BIOL 4380 Endocrinology
- BIOL 4390 Immunobiology
- BIOL 4400 Molecular Neurobiology
- BIOL 4420 Virus and Plasmid Biology
- BIOL 4430 Microbial Physiology
- BIOL 4460 Scanning Electron Microscopy
- BIOL 4470 Microbial Genetics
- BIOL 4480 Molecular Evolution
- BIOL 4660 Genomics

*Note: BIOL 4620 may not count in both the Groups or in Additional Required Courses.*

#### BG Perspective (BGP) Requirements

**Must complete at least 1 course in each of the following:**

- English Composition and Oral Communication
- Credits

- Quantitative Literacy

**Must Complete at least 2 courses in each of the following:**

- Humanities and the Arts

- Natural Sciences - at least one Lab Science required

- Social and Behavioral Sciences

**Complete total required BGP credit hours by selecting courses from any of the above categories:**

- Cultural Diversity in the US
- International Perspective

**Composition Requirement:**

- WRIT 1120 Research Writing

**Total BGP Credits: Must be at least 36**

#### Arts & Sciences Requirements

- **Foreign Language** (_____ yrs of HS_____)
  - 1010
  - 1020
  - 2010
  - 2020/2120

- **Lab Science**

**Multidisciplinary Component** Select from approved offerings, in consultation with an advisor and a faculty mentor. Four courses total, each with a different subject prefix. At least two courses at 3000/4000 level. Courses applied to the Arts & Sciences MDC may not be used to fulfill other Arts and Sciences degree requirements, nor may they be used to fulfill major, minor, BGP or other program requirements.
Biology Electives: These courses do not meet the group requirements but do count toward the 16 hours of electives: BIOL 3010, 3100, 3520, 3700, 4010, 4310L, 4440, 4500, 4520, 4530, 4540, 4700, 4750, 4890, 4900.

A maximum of 5 credit hrs. from the following courses may be included in the required 10 credit hrs. of 4000-level Biology required for the major: BIOL 4010, 4520, 4530, 4540, 4700, 4890.

Additional Required Courses: Chemistry, Math & Physics

General Chemistry I
- 4 CHEM 1230 General Chemistry I and
- 1 CHEM 1240 General Chemistry I Lab OR
- 5 CHEM 1350 General Chemistry w/lab

General Chemistry II
- 4 CHEM 1270 or CHEM 1370 General Chemistry
- 1 CHEM 1280 or CHEM 1380 Gen Chemistry Lab

Math
- 3-5 MATH 1150 or SOC 2690 or PSYC 2700
  or STAT 2000 or BA 2110 or BIOL 4620*
- 3-6 MATH 1220 or MATH 1280 or MATH 1310 or
  MATH 1340 & MATH 1350

Physics
- 3-5 PHYS 1010 Basic Physics OR
  PHYS 2010 College Physics I OR
  PHYS 2110 University Physics I

Minor Requirements: (Usually 21 hours)

Name (Print First & Last Name) BGSU ID#

Phone (Cell or Local Number)

For Graduation You Will Need:

1. 122 credit hours minimum.
   
   In Progress/Completed ________ Needed ________

2. Minimum GPA 2.00.
   
   Current GPA ________

3. At least 30 credit hours of BGSU course work.
   
   In Progress/Completed ________ Needed ________

4. 40 credit hours at the 3000/4000 level.
   
   In Progress/Completed ________ Needed ________

5. Completion of all degree requirements, including the BG Perspective Core.
   
   In Progress/Completed ________ Needed ________

6. A major, and if required, a minor, specialization or emphasis.
   
   Declared with the College Office Yes No

Any substitution or waiver of courses required for your major or minor program must originate in the department/school offering the major or minor and must be approved by the College Office.

To ensure a timely graduation, see a College Advisor during the semester prior to your intended graduation.

Remember to complete an Application for Graduation by the end of the second week of classes during the fall semester or spring regular session, or by the end of the first week of the summer semester. For the specific dates, check your DARS. You may log onto MyBGSU to complete the online application. After the deadlines, you will need to complete an application in person in the College Office.